

**Amendments to the Drawings**

Attached hereto is one sheet of amended drawings, labeled "Replacement Sheet" pursuant to 37 CFR 1.121(d). This replacement sheet replaces original sheet 4/11 containing Fig. 4a.

Attachment: Replacement Sheet  
Annotated Marked-Up Drawings sheet

**REMARKS**

A Sequence Listing has been inserted into the application in written (on paper) form. A computer readable form of the Sequence Listing is also enclosed herewith. The specification has been amended to insert the SEQ ID NOs corresponding to the sequences set forth in the enclosed Sequence Listing.

The sequences set forth in the Sequence Listing are from Figure 4a (SEQ ID NOs 1, 2 and 3); page 32, line 20 (SEQ ID No:4); and page 32, line 22 (SEQ ID No:5).

FIG 4a has been amended to refer to the sequence identifiers for the sequences shown therein.

**STATEMENT TO SUPPORT FILING AND SUBMISSION  
IN ACCORDANCE WITH 37 C.F.R. §§1.821-1.825**

I hereby state that the sequence listing information recorded in computer readable form submitted herewith is identical to the written (on paper) sequence listing submitted herewith. The submission includes no new matter.

Respectfully submitted,

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BY 

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ANNOTATED MARKED-UP DRAWINGS

SEQUENCE  
IDENTIFIERS  
ADDED

4/11

SEQ ID 1  
SEQ ID 2  
SEQ ID 3

ATGAGAGGATCGCATCACCATCACCATCACGGATCTAAACCACATATCGATAATTATCTT 60  
TACTCTCCTAGCGTAGTGGTAGTGGTAGTGCCTAGATTGGTGTATAGCTATTAATAGAA  
M R G S H H H H H G S K P H I D N Y L  
CACGATAAAGATAAAGATGAAAGGATTGAACAATATGATAAAAATGTAAAAGAACAGGCG 120  
GTGCTATTTCTATTTCTACTTTTCTAACTTGTATATACTATTTTACATTTTCTTGTCCGC  
H D K D K D E R I E Q Y D K N V K E Q A  
AGTAAGGATAAAAAGCAGCAAGCTAAACCTCAAATTCCGAAAGATAAATCGAAAGTGGCA 180  
TCATTCCCTATTTTTTCGTCGTTTCGATTGGAGTTTAAAGGCTTCTATTTAGCTTTACCGT  
S K D K K Q Q A K P Q I P K D K S K V A  
GGCTATATTGAAATTCCAGATGCTGATATTAAAGAACCAGTATATCCAGGACCAGCAACA 240  
CCGATATACTTTAAGGTCTACGACTATAATTTCTTGGTCATATAGGTCCTGGTCGTTGT  
G Y I E I P D A D I K E P V Y P G P A T  
CCTGAACAATTAAATAGAGGTGTAAGCTTTGCAGAAGAAAATGAATCACTAGATGATCAA 300  
GGACTTGTTAATTTATCTCCACATTCGAAACGTCCTTTTACTTAGTGATCTACTAGTT  
P E Q L N R G V S F A E E N E S L D D Q  
AATATTTCAATTGCAGGACACACTTTTCATTGACCGTCCGAACTATCAATTTACAAATCTT 360  
TTATAAAGTTAACGTCCTGTGTGAAAGTAACTGGCAGGCTTGATAGTTAAATGTTTAGAA  
N I S I A G H T F I D R P N Y Q F T N L  
AAAGCAGCCAAAAAAGGTAGTATGGTGTACTTTAAAGTTGGTAATGAAACACGTAAGTAT 420  
TTTCGTCGGTTTTTTTCCATCATACCACATGAAATTTCAACCATTACTTTGTGCATTCTA  
K A A K K G S M V Y F K V G N E T R K Y  
AAAATGACAAGTATAAGAGATGTTAAGCCTACAGATGTAGAAGTTCTAGATGGATCCGCA 480  
TTTTACTGTTTCATATTCTCTACAATTCGGATGTCTACATCTTCAAGATCTACCTAGGCGT  
K M T S I R D V K P T D V E V L D G S A  
TGCGAGCTCGGTACCCCGGGTCGACCTGCAGCCAAGCTTAATTAG 525  
ACGCTCGAGCCATGGGGCCCAGCTGGACGTCGGTTCGAATTAATC  
C E L G T P G R P A A K L N \*

Figure 4a